

## **GMV**

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## **Organisation profile**

GMV is a privately owned technological business group with an international presence which offers its solutions, services and products in very diverse sectors: Aeronautics, Banking and Finances, Space, Defence, Health, Security, Transportation, Telecommunications, and Information Technology for Public Administration and large corporations.

GMV is involved in the design, development, manufacturing and commercialization of on-board telematic applications, most noticeably GPS-based fleet localization and management systems. GMV provides Intelligent Transportation Systems (ITS), offering turn-key solutions and getting involved in complete project development, from analysis, design, installation and completion, including the development of proprietary hardware and software. The solutions provided by GMV include from GNSS alone applications up to hybridization with other sensors, integrating satellite navigation, mobile communications, tracking and control centers and user information for different modes of transportation (road, maritime, rail)

Additionally, GMV has participated in different R&D Projects in the national and international context, including FP5, FP6 and FP7 programmes and Profit, Avanza I+D, CENIT and other national and regional programmes.

Some reference R&D projects are directly related with the development of solutions for ITS, cooperative systems (including V2V and V2I solutions) and the application of ICT to the road sector applications in general (e.g. PAYD systems, road user charging, telematics services etc.)

GMV is an active member of different associations and groups in the transportation sector either national (AEC – Asociación Española de la Carretera-, ITS España) or international (ERF – European Union Road Federation-, IALA AISM - International Association of Marine Aids to Navigation and Lighthouse Authorities-), to name a few.

## **Main Green Cars activities: Products and Projects**

GMV works on different research activities related with Green Cars (and with green driving in general):

- Development of telematics services supporting green cars and green driving: Fleet management, Pay-As-You-Drive schemes, Road User Charging, eCall, bCall and breakdown assistance, Stolen Vehicle Tracking and recovery, traffic information provisioning, eco-driving etc.). Some reference projects include GIROADS, MENTORE, GINA, MORYNE and solutions developed for customers in the private sector (management of electric cars service available in Madrid and Barcelona airports and others).
- Development of Onboard Equipment for different purposes (telematics ECUs), including the different telematics services mentioned above.
- Co-operative Systems (V2V, V2I): provisioning of in-vehicle solutions and Service Centers for applications involving the interaction between vehicles and between the vehicle and the infrastructure in order to achieve a safer, more efficient, more secure, more sustainable and cleaner road transportation (as in projects such as MARTA, OASIS, REPOSIT or others)

Participation in trials related with congestion (and pollution) control, eco-taxes, eurovignette and road charging (e.g. CLoCCS (Central London Congestion Charging Scheme), ABvM in the Netherlands, ARENA in Sweden)